

WHAT IS CLAIMED IS:

1. A method for controlling a Mobile Station (MS) to receive BCMCS (Broadcast/Multicast Service) data in a mobile communication system including at least one BCMCS controllers and the MS for receiving the BCMCS data through a BSs(Base stations), comprising the steps of:

receiving, from a new BS, a new BCMCS zone ID that is different from a prestored old BCMCS zone ID, while receiving old BCMCS data from an old BS;
requesting new BCMCS data to the new BS;
establishing a channel with the new BS;
receiving a BCMCS information from the new BS; and
receiving the new BCMCS data from the new BS using the BCMCS information.

2. The method as set forth in claim 1, further comprising the step of transmitting a registration message to the new BS for being provided the BCMCS data by using the new BCMCS controller.

3. The method as set forth in claim 1, further comprising the step of establishing a predetermined path with the PDSN connected to the new BCMCS controller.

4. A method for controlling a Mobile Station (MS) to receive BCMCS (Broadcast/Multicast Service) data in a mobile communication system including at least one BCMCS controllers and the MS for receiving the BCMCS data through a BSs(Base stations), comprising the steps of:

receiving, from a new BS, a new BCMCS zone ID that is different from a prestored old BCMCS zone ID, while receiving old BCMCS data from a old BS;
registering a BCMCS service in the new BS using the prestored old BCMCS zone ID;

indicating that the MS is handed off to a new BCMCS controller from among the at least two BCMCS controllers via the new BS;

determining, by the new BCMCS controller, whether new BCMCS-associated information is equal to old BCMCS-associated information;

5 receiving the determination result from the new BCMCS controller; and

if the new BCMCS-associated information is equal to the old BCMCS-associated information, receiving the BCMCS data in the MS from the new BS,.

5. The method as set forth in claim 4, further comprising the step of transmitting a registration message to the new BS for being provided the BCMCS data by using the new BCMCS controller.

6. The method as set forth in claim 4, further comprising the step of establishing a predetermined path with a PDSN connected to the new BCMCS controller.

7. A method for controlling a Mobile Station (MS) to receive BCMCS (Broadcast/Multicast Service) data in a mobile communication system including at least one BCMCS controllers and the MS for receiving the BCMCS data through a BSs(Base stations), comprising the steps of:

receiving, from a new BS, a new BCMCS zone ID that is different from a prestored old BCMCS zone ID, while receiving old BCMCS data from a old BS;

20 registering the old BCMCS service in the new BS using the prestored old BCMCS zone ID;

indicating that the MS is handed off to a new BCMCS controller from among the at least two BCMCS controllers via the new BS;

determining, by the new BCMCS controller, whether new BCMCS-associated information is equal to old BCMCS-associated information;

25 receiving the determination result from the new BCMCS controller; and

if the new BCMCS-associated information is equal to the old BCMCS-associated information, receiving the new BCMCS-associated information from the new BCMCS controller; and

5 receiving the BCMCS data from the new BS using the new BCMCS- associated information.

8. The method as set forth in claim 7, further comprising the steps of:

if there is a need for the MS to be re-connected to the new BCMCS controller, requesting BCMCS data from the new BS, and establishing a predetermined channel with the new BS;

10 accessing a PDSN connected to the new BS using a protocol setup operation; requesting new BCMCS information from the new BCMCS controller; and receiving the new BCMCS information.

9. The method as set forth in claim 8, further comprising the step of transmitting a registration message to the new BS for being provided the BCMCS data by using the new BCMCS controller.

10. The method as set forth in claim 8, further comprising the step of establishing a predetermined path with the PDSN connected to the new BCMCS controller.

20 11. An apparatus for providing BCMCS (Broadcast/Multicast Service) service in a mobile communication system , the apparatus comprising:

a MS for requesting BCMCS data from a new BS using a prestored BCMCS zone ID when a BCMCS zone ID, which is different from the prestored BCMCS zone ID, is received from the new BS while receiving the BCMCS data, and requesting
25 BCMCS-associated information used for the BCMCS data;

at least one base station (BS), including the new bases station, for wirelessly communicating with the MS and transmitting the BCMCS zone IDs and broadcast provision information;

5 at least two BCMCS controllers that are connected to at least one PDSN (Packet Data Service Node), which transmits packet data service data to the at least one BS, for transmitting BCMCS-associated information for the BCMCS data requested by the MS to the MS over the connected PDSN, and containing the BCMCS zone IDs; and

a BCMCS server for providing the MS with the BCMCS data using the BCMCS-associated information and the broadcast provision information.

10 12. The apparatus as set forth in claim 11, wherein the at least two BCMCS controllers compare current BCMCS-associated information with previous BCMCS-associated information, and transmit the comparison result to the MS.

15 13. The apparatus as set forth in claim 12, wherein the MS uses the BCMCS-associated information of current BCMCS data when the current BCMCS-associated information is equal to the previous BCMCS-associated information, and requests new BCMCS-associated information when the current BCMCS-associated information is different from the previous BCMCS-associated information, such that it receives the new BCMCS-associated information from a BCMCS controller of a changed zone.

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